

Dr. Ahmed Subhi Jbara

Muthanna University, Samawah, Iraq

Birth Date: 15 Feb 1981

Nationality: Iraqi

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Academic Qualifications

2017 **PhD** Subject: **Nanotechnology - Physics**

Title: **Synthesis of Gamma and Theta Alumina Phases Complemented With First Principle Calculation**

Department of Physics, Faculty of Science, Universiti Teknologi Malaysia, Skudai, Johor Bahru, Malaysia.

The PhD work was completed under the supervision of *Prof. Dr. Zulkafli Bin Othaman, and Prof. Dr. Mohammad Alam Saeed*

2010 **M Sc.** Subject: **Physics – Theoretical Physics**

Title: **Linear Optical and Four Wave Mixing Characteristics of Long Wavelength III-Nitride Quantum Dot Semiconductor Optical Amplifiers**

Department of Physics, Faculty of Science, University of Babylon, Iraq.

The M Sc. work was completed under the supervision of *Assist. Prof. Dr. Hameed I. Abood, and Prof. Dr. Amin H. Al-Khursan*

2005 **B Sc.** Subject: **Physics**

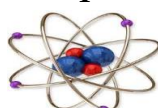
Title: **Solar Cell**

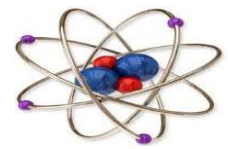
Department of Physics, Faculty of Science, Al- Muthanna University, Iraq.

The B Sc. work was completed under the supervision of *Assist. Prof. Dr. Abdul Ameer K. Farhood*

Research Publications

1. **Ahmed S. Jbara**, H. I. Abood, and Amin H. Al-Khursan, "Effect of doping and in-composition on gain of long wavelength III-nitride QDs", *Journal of Optics*, Vol. 41, No. 4 (2012) 214-223.
DOI: 10.1007/s12596-012-0085-x
2. Amin H. Al-Khursana, **A. Subhi**, H.I. Abood, "Four-wave mixing in long wavelength III-nitride QD-SOAs", *Optik*, Vol. 124, (2013) 4072– 4079.
DOI: <http://dx.doi.org/10.1016/j.ijleo.2012.12.061>
3. **Ahmed S. Jbara**, Zulkafli Othaman, and M A Saeed, "Effect of size and indium-composition on linear and nonlinear optical absorption of InGaN/GaN lens-shaped quantum dot", *Chin. Phys. B*, Vol. 25, No. 5 (2016) 057801.
DOI: 10.1088/1674-1056/25/5/057801





4. Shadab Dabagh, Ali Ati, S.K. Ghoshal, Samad Zare, R. M. Rosnan, **Ahmed S. Jbara**, Zulkafli Othaman, "Cu²⁺ and Al³⁺ co-substituted cobalt ferrite: Structural analysis, morphology and magnetic properties", *Bulletin of Materials Science*, Vol. 39, No. 4 (2016) 1029–1037.
DOI: 10.1007/s12034-016-1233-8
5. **Ahmed S. Jbara**, Zulkafli Othaman, Ali A. Ati, and M. A. Saeed, "Characterization of gamma-Al₂O₃ nanopowders synthesized by co-precipitation method", *Materials Chemistry and Physics*, Vol. 188, (2016) 24-29.
DOI: <http://dx.doi.org/10.1016/j.matchemphys.2016.12.015>
6. **Ahmed S. Jbara**, Zulkafli Othaman, and M. A. Saeed, "Structural, morphological and optical investigations of θ -Al₂O₃ ultrafine powder", *Journal of Alloys and Compounds*, Vol. 718, (2017) 1-6.
DOI: <https://doi.org/10.1016/j.jallcom.2017.05.085>
7. **Ahmed S. Jbara**, Zulkafli Othaman, H. A. Rahnamaye Aliabad, and M. A. Saeed, "Investigated electronic and optical properties of γ - and θ -Al₂O₃: First principles calculations", 2nd International Conference on Science, Engineering, and the Social Sciences (ICSESS 2016) (29th May - 1st June, 2016, Universiti Teknologi Malaysia).

Teaching Experience

Since last 11 years, I have been involved in teaching to undergraduate students with different subjects such as: Analytical Mechanics, Numerical Analysis, Statistical Mechanics at Department of Physics, Faculty of Science, Muthanna University, Iraq.

Collaboration and Membership

Center for Sustainable Nanomaterials, Universiti Teknologi Malaysia, Skudai-81310, Johor Bahru, Malaysia

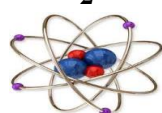
Workshops/Conferences

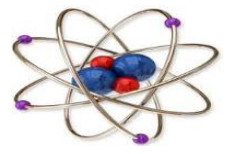
a) Presented papers at National and International Conferences.

1. National Conference of Physics (NCP), 7-8 November, 2012, University of Baghdad and Babylon.
2. 2nd International Conference on Science, Engineering, and the Social Sciences (ICSESS 2016), 29th May - 1st June, 2016, Universiti Teknologi Malaysia.

b) Attended at Workshops

1. Writing for Journal Workshop, 07/01/2015, Universiti Teknologi Malaysia, Johor Bahru, Malaysia.
2. Science & Technology Track - Forum of Attending VIVA-VOCE, 28/01/2015, Universiti Teknologi Malaysia, Johor Bahru, Malaysia.
3. Critical Literature Review Workshop, 30/01/2015, Universiti Teknologi Malaysia, Johor Bahru, Malaysia.





4. Talk on Writing a PhD Thesis, 01/02/2015, Universiti Teknologi Malaysia, Johor Bahru, Malaysia.
5. How to write a great paper, and get it published in a research journal, 04/03/2015, Universiti Teknologi Malaysia, Johor Bahru, Malaysia.
6. COMSOL Multiphysics Seminar and Workshop, 09-10/06/2014, University of Malaya, Kuala Lumpur, Malaysia.
7. COMSOL Multiphysics workshop, 12/03/2015, Universiti Teknologi Malaysia, Johor Bahru, Malaysia.
8. Material Characterization by Thermal and Chemical Analysis, 24/08/2015, Universiti Teknologi Malaysia, Johor Bahru, Malaysia.
9. Training of SEM-EDS, 06/04/2016, Universiti Teknologi Malaysia, Johor Bahru, Malaysia.

Also, you can find me

Author ID (Scopus): <https://www.scopus.com/authid/detail.uri?authorId=55326096000>

ResearchGate: https://www.researchgate.net/profile/Ahmed_Jbara

Google Scholar: <https://scholar.google.com/citations?user=jC6P21oAAAAJ&hl=en>

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